

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in Chelidonium majus**

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALKALOIDS	Plant	2500	22000	0.17101544010915726	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	ALLOCRYPTOPINE	Plant	--	--		
0	ALPHA-HOMOCHELIDONINE	Plant	--	--		
130	BERBERINE	Plant	--	--		
0	CHELAMIDINE	Plant	--	--		
0	CHELAMINE	Plant	--	--		
0	CHELERITINE	Root	--	--		
33	CHELERYTHRINE	Plant	--	--		
0	CHELIDAMINE	Plant	--	--		
2	CHELIDONIC-ACID	Plant	--	--		
18	CHELIDONINE	Plant	--	--		
0	CHELIDONIOL	Root	--	--		
0	CHELILUTINE	Plant	--	--		
3	CHELIRUBINE	Plant	--	--		
20	CHOLINE	Fruit	--	--		
23	CITRIC-ACID	Plant	--	--		
3	COPTISINE	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CORYSAMINE	Plant	--	--		
0	DIHYDROSANGUINARINE	Root	--	--		
0	EO	Plant	130	130	-0.7302488196906761	
5	ERGOSTEROL	Root	--	--		
0	FAT	Seed	466000	466000	1.0566973158307336	
13	FORMIC-ACID	Plant	--	--		
0	GAMMA-HOMOCHELIDONINE	Plant	--	--		
18	HISTAMINE	Plant	--	--		
0	HYDROXYCHELIDONINE	Plant	--	--		
0	HYDROXYSANGUINARINE	Plant	--	--		
0	L-SPARTEINE	Plant	--	--		
11	MAGNOFLORINE	Plant	--	--		
15	MALIC-ACID	Plant	--	--		
0	METHOXYCHELIDONINE	Plant	--	--		
1	METHYL-AMINE	Plant	--	--		
11	NICOTINIC-ACID	Plant	340	340	1.4132657778943916	
0	NONACOSANOL	Plant	--	--		
0	OXYCHELIDONINE	Plant	--	--		
0	OXYSANGUINARINE	Plant	--	--		

<b>Activity Count</b>	<b>Chemical</b>	<b>Plant Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference Citation</b>
24	PROTOPINE	Plant	--	--		
48	SANGUINARINE	Plant	--	--		
0	SPINASTEROL	Root	--	--		
0	STYLOPINE	Plant	--	--		
7	SUCCINIC-ACID	Plant	--	--		
0	TETRAHYDROCOPTISINE	Fruit	1500	1500		
11	TYRAMINE	Plant	--	--		